

Title (en)  
WORM SHAFT BEARING ARRANGEMENT

Title (de)  
LAGERUNG EINER SCHNECKENWELLE

Title (fr)  
AGENCEMENT DE PALIER DE TRANSMISSION A VIS SANS FIN

Publication  
**EP 0721549 B1 19980114 (EN)**

Application  
**EP 94928456 A 19941004**

Priority  
• GB 9402153 W 19941004  
• GB 9320488 A 19931005

Abstract (en)  
[origin: GB2282654A] In a worm gearbox comprising a one-piece casing 1 closed by a cover 2, a gearwheel 3 is mounted in the housing for rotation about a first axis and a worm shaft 4 meshes with the gearwheel and is mounted in a pair of bearing assemblies 5 for rotation about a second axis at 90 degrees to the first axis. A portion of the worm shaft 4 protrudes from one side of the casing 1 through a side aperture 8. Each bearing assembly 5 comprises a bush which is preferably made of a sintered metal material and wholly received in the casing, the bush being located therein so that all the radial and axial worm shaft loads are carried by the one-piece casing, the cover 2 retaining all the components in the casing. Preferably, the side aperture 8 is shaped to allow a sub-assembly including the worm shaft 4 with the bearing assemblies 5 fitted thereto to be inserted into the casing in a direction at 90 degrees to the axis of rotation of the worm shaft. <IMAGE>

IPC 1-7  
**F16H 57/02**; **F16H 1/16**

IPC 8 full level  
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CPC (source: EP)  
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**GB 2282654 A 19950412**; **GB 2282654 B 19970604**; **GB 9320488 D0 19931124**; DE 69407982 D1 19980219; DE 69407982 T2 19980625;  
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